

***This is only a **preview** of the exam statements for the Training & Experience Examination. You will be asked to respond to each statement indicating how your training and experience relate to each. To take the actual exam, please refer back to the bulletin and click the link at the bottom of the bulletin.

Training and Experience Evaluation

Electrician 2 & Electrician Supervisor

Consortium

The California civil service selection system is merit-based and eligibility for appointment is established through a formal examination process. This examination consists of a Training and Experience evaluation used to evaluate your education, training and experience relevant to the position.

This Training and Experience evaluation is a scored component accounting for 100% of your rating in the examination process. It is important to complete the questionnaire carefully and accurately. Your responses are subject to verification before appointment to a position.

(Questions: 1 - 11)

Tasks for both the ELECTRICIAN 2 and ELECTRICIAN SUPERVISOR classifications.

(Questions 12 - 16)

Tasks for the ELECTRICIAN SUPERVISOR classification only.

To answer all the test items in this exam, you will be required to choose from among the provided answers, and to enter (type in) specific information about your experience, your education, and your formal training. Educational and work references will also be requested.

Be prepared to give specific information about the length and breadth of your work experience. Also, be prepared to provide specific information about where you received your education and training. Providing the type of education and/or formal training courses will also be necessary to complete this online examination.

Verification of References

Before a hiring decision will be made, your responses will be verified. A hiring manager or personnel staff member will contact the references you have provided to confirm job dates, experience, duties, achievements, and/or possession of knowledge, skills, and abilities. Failure to provide adequate references AND contact information may significantly limit our ability to make a job offer.

Instructions

Rate your experience performing specific job-related tasks.

Respond to each of the following statements by indicating how the statement applies to you. You are required to respond to every question and provide relevant examples. Also, indicate the references who can verify the information provided.

In responding to each statement, you may refer to your WORK EXPERIENCE, whether paid or volunteer, your EDUCATION, and/or FORMAL TRAINING COURSES you have completed.

PLEASE NOTE: This examination is designed to gain an overall assessment of your education, training, and experience as it directly relates to the duties and the knowledge, skills and abilities required for this position. Possession of specific education and/or training is **not** required to be successful in this examination; however, such achievements may substitute for desirable levels of experience. All components of this examination have been carefully validated by tying them directly to job requirements and documenting their relevance to the position.

TASKS FOR THE ELECTRICIAN 2 AND ELECTRICIAN SUPERVISOR

1. Maintain and repair electrical components (e.g., wiring, generators) and electrical systems (e.g., inverters, direct currents, alternating currents, solar) in compliance with applicable fire, safety, and building codes.
2. Install and repair electrical apparatus (e.g., lights, motors, heaters, generators, transformers, switchboards) to maintain the safety and security of facilities/departments in compliance with applicable fire, safety, and building codes.
3. Install timers, switches, contactors, and relays for lighting and mechanical equipment system upgrades in compliance with applicable fire, safety, and building codes.
4. Install electrical circuits, conduits, wires, etc. for power, lighting and mechanical equipment in compliance with applicable fire, safety, and building codes.
5. Repair and replace breakers, contactors, starters, motors, wires and cables in compliance with applicable fire, safety, and building codes.
6. Troubleshoot facility/departmental electrical systems and components (e.g., inverters, alternating currents, direct currents, solar) and apparatus in compliance with applicable fire, safety, and building codes.
7. Perform preventive maintenance on emergency systems (e.g., generators, batteries, electrical distribution systems, Uninterrupted Power Supply) and electrical equipment (e.g. switch gear, transformers) in compliance with applicable fire, safety, and building codes.
8. Plan layout and installations of electrical wiring, equipment, or fixtures, in compliance with job specifications and applicable fire, safety, and building code.

9. Plan and direct the work of electricians and others engaged in the operation, installation, maintenance, alteration and repair of electrical systems and components.
10. Plan and coordinate the installation, maintenance, and repair of electrical systems and components with departmental trades people, facility/department program staff, contractors and vendors in compliance with applicable fire, safety, and building codes.
11. Prepare estimates for electrical maintenance, installations, and repairs, including labor, materials, tools and equipment costs for projects.

TASKS FOR THE ELECTRICIAN SUPERVISOR ONLY

12. Install and/or repair alarm systems (e.g., personal alarms, fire alarms, fence alarms) to maintain the safety and security of the facilities/departments in compliance with applicable fire, safety, and building codes.
13. Maintain telecommunication systems to provide communication throughout the facilities/departments and ensure the safety and security of the facility/department in compliance with applicable fire, safety, and building codes.
14. Prepare and develop rough sketches, plans, drawings, and specifications for electrical work.
15. Inspect the work of electricians engaged in the operation, installation, maintenance, alteration and repair of electrical systems and components.
16. Determine and establish priorities for electricians to ensure sufficient coverage and meet both long-term objectives and the short-term demands of facilities/departments.